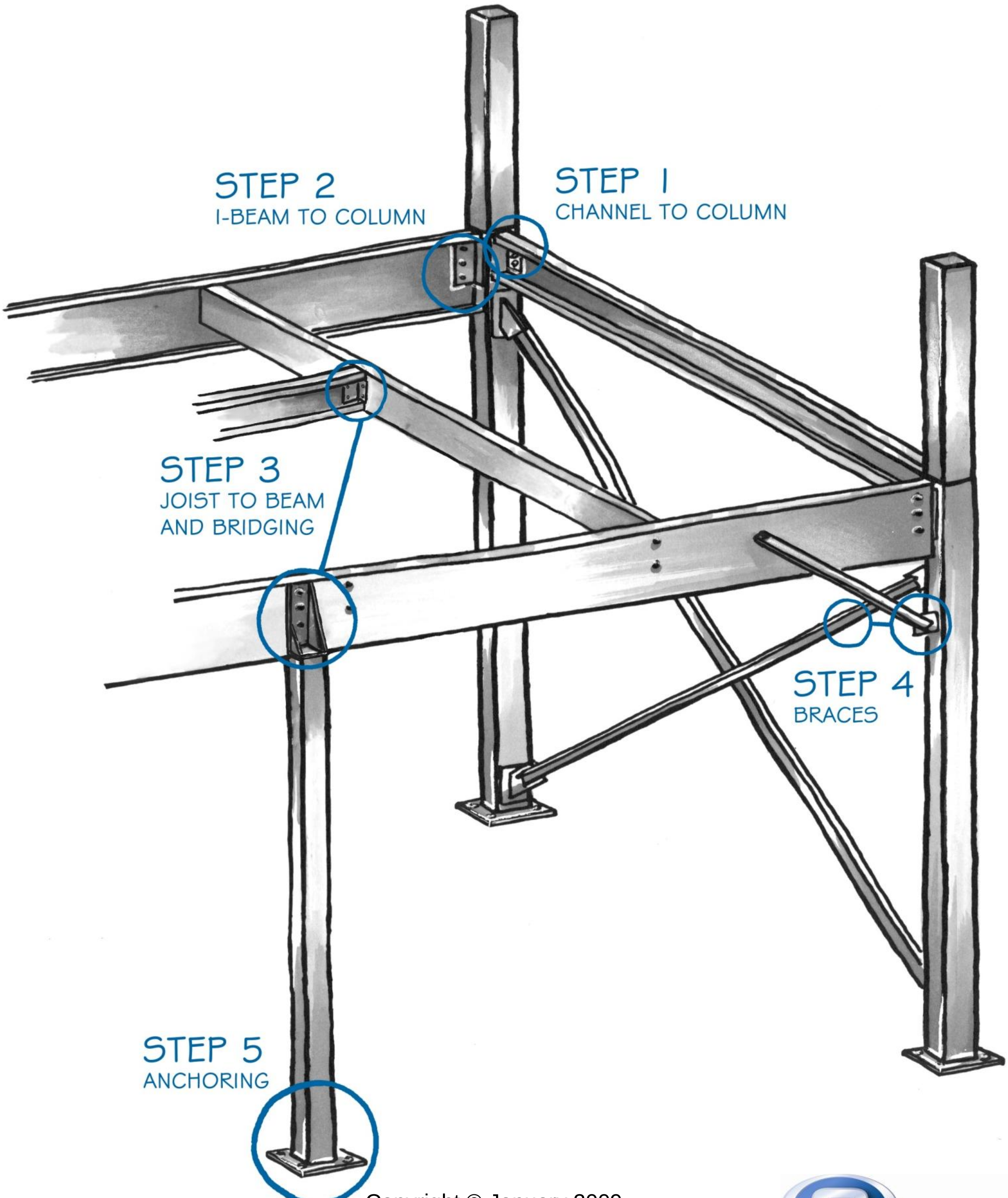
GENERAL STRUCTURE INSTALLATION MANUAL

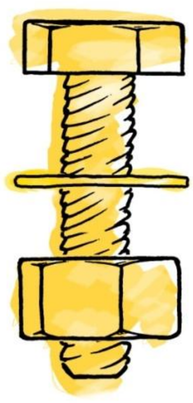




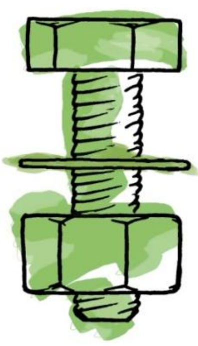
ø1/4"x1" HEX
HEAD TEK SCREW



ø5/8"x6" BOLT
(ANCHOR)



ø5/8"x2 1/4" BOLT



ø5/8"x1 3/4" BOLT



ø5/8"x1 1/4" BOLT



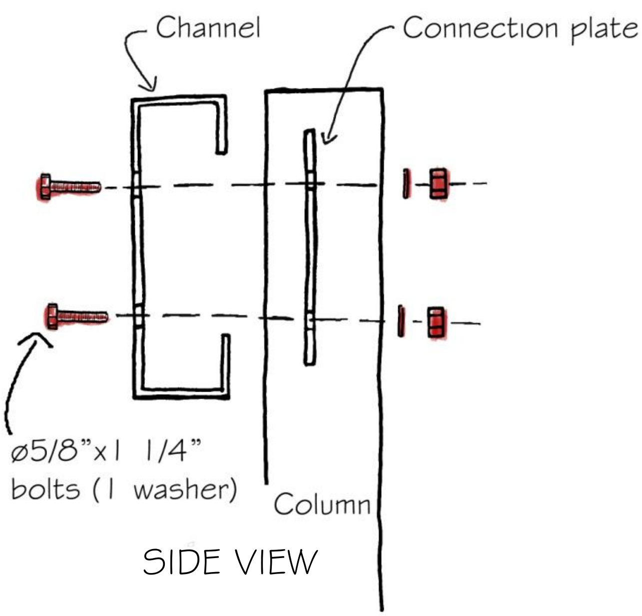
USE ASTM A325 STRUCTURAL BOLTS ONLY

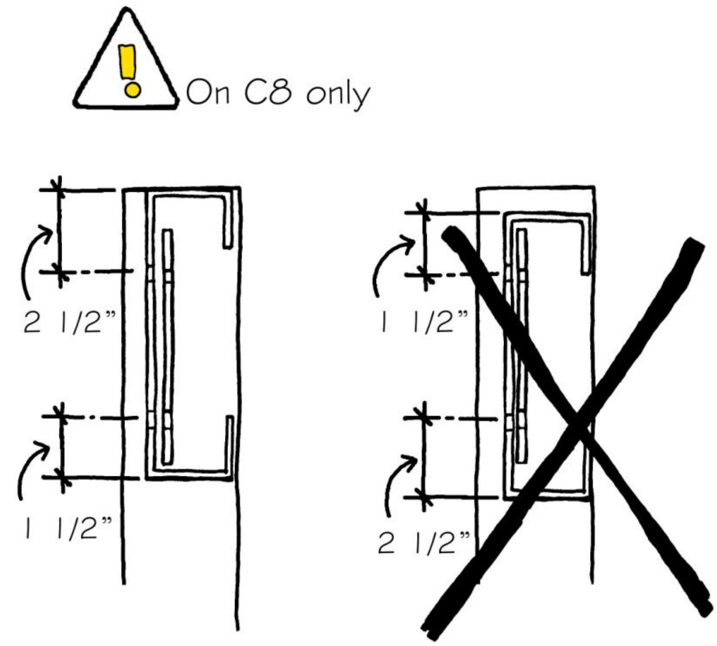
STEP 1

CHANNEL TO COLUMN CONNECTION (SINGLE CHANNEL)

C8 - C10 - C12

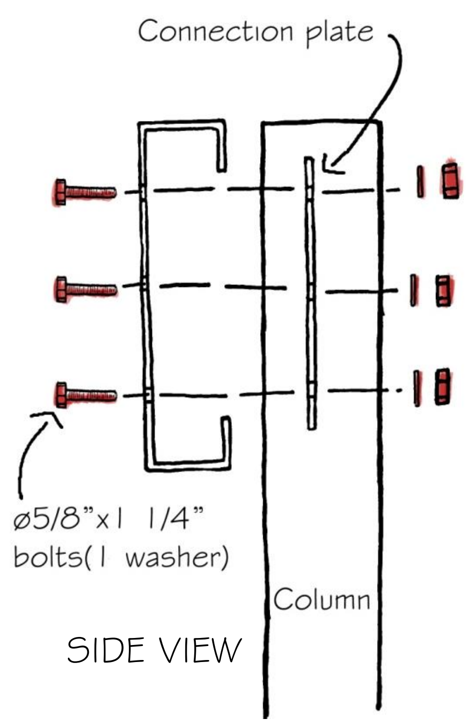
ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN





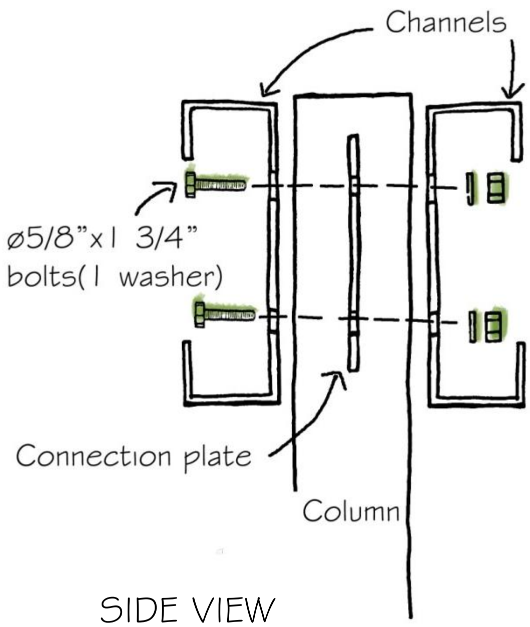
C14 - C16

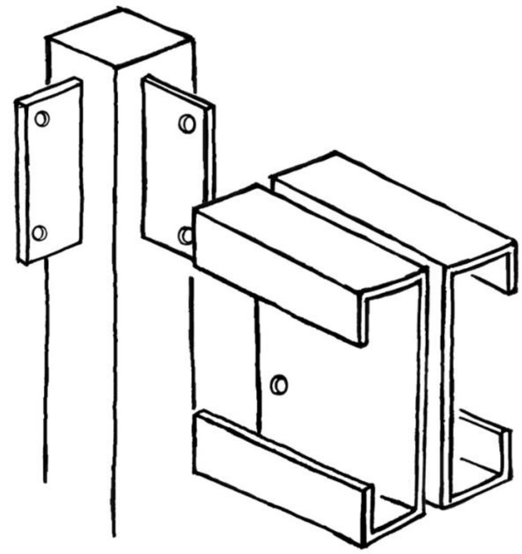
ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN

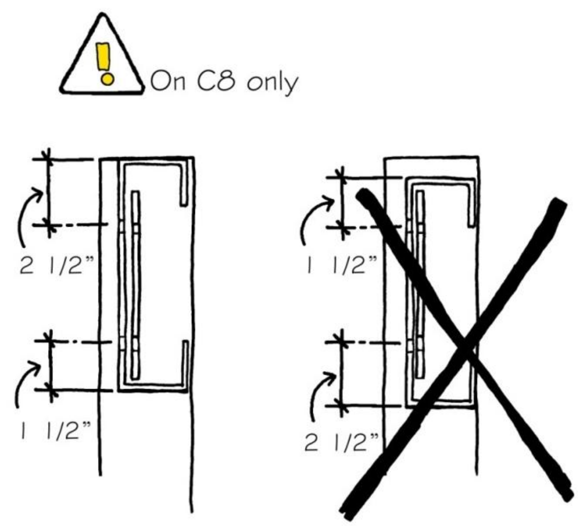


CHANNEL TO COLUMN CONNECTION (BACK TO BACK CHANNEL)

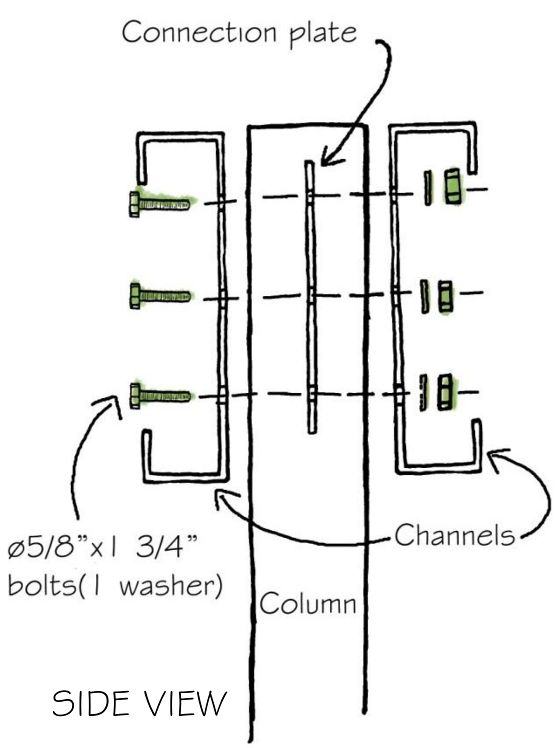
DC8 - DC10 -DC12

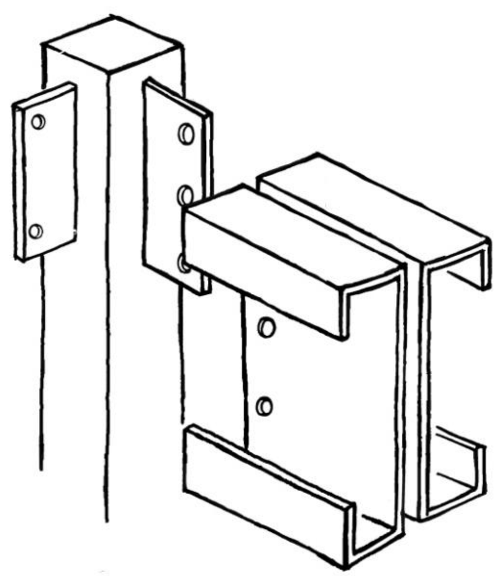






DC14 - DC16

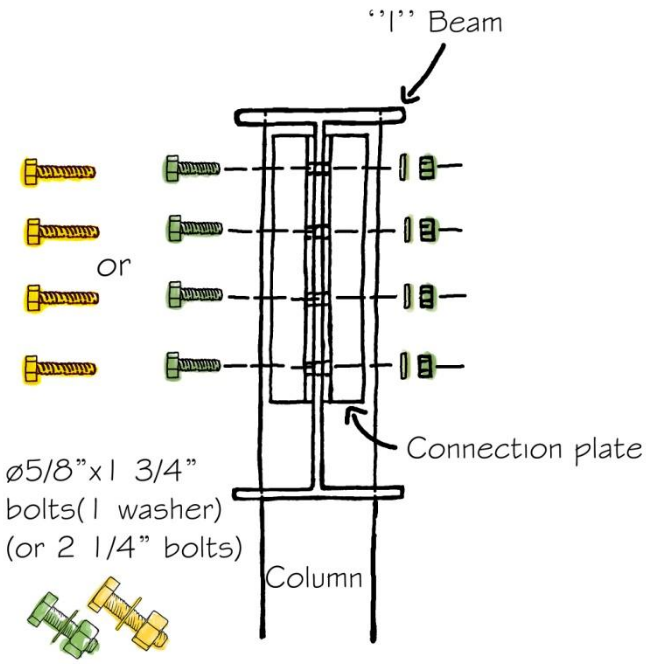




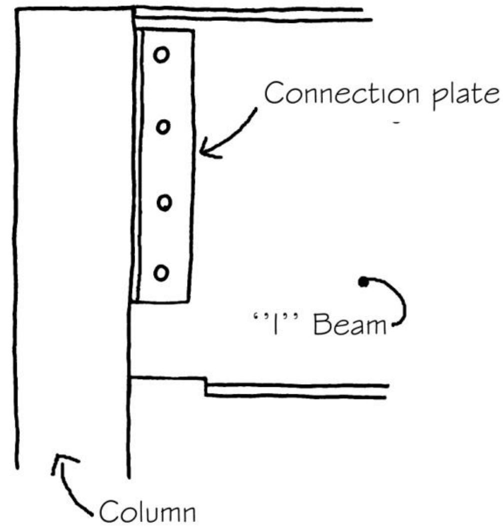
STEP 2

I-BEAM TO COLUMN CONNECTION (DOUBLE CONNECTION ANGLE)

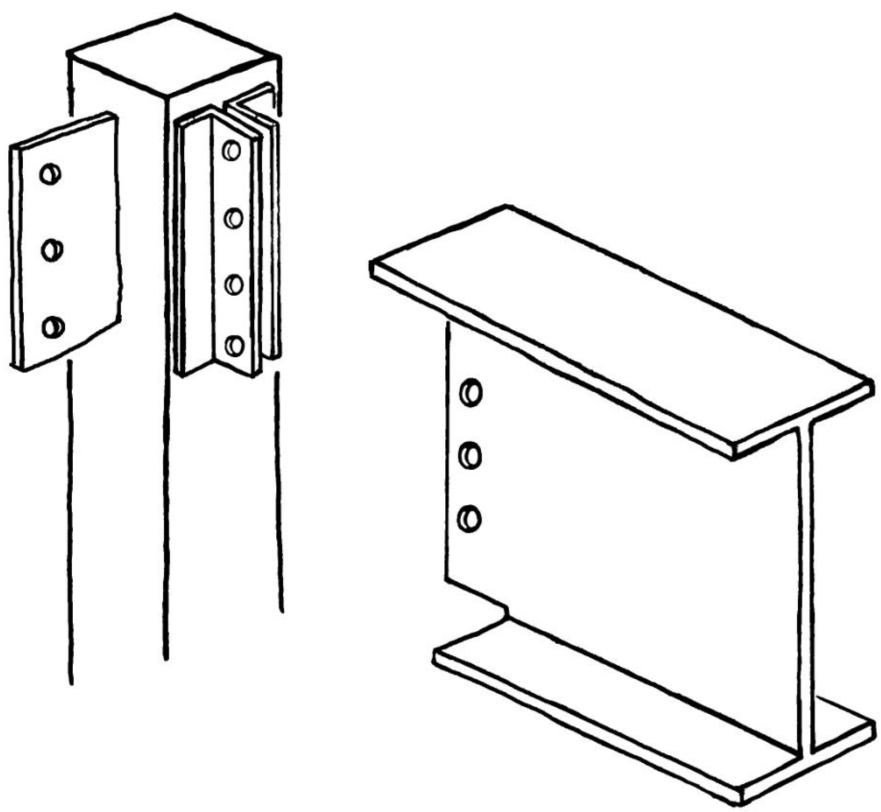
⚠ ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN



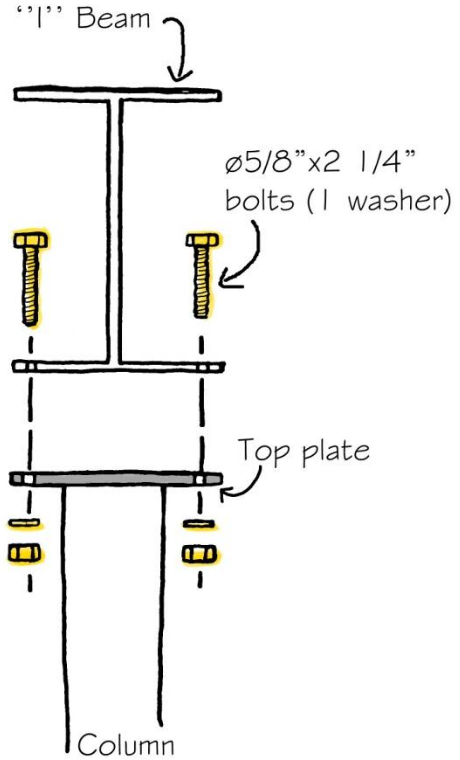
SIDE VIEW



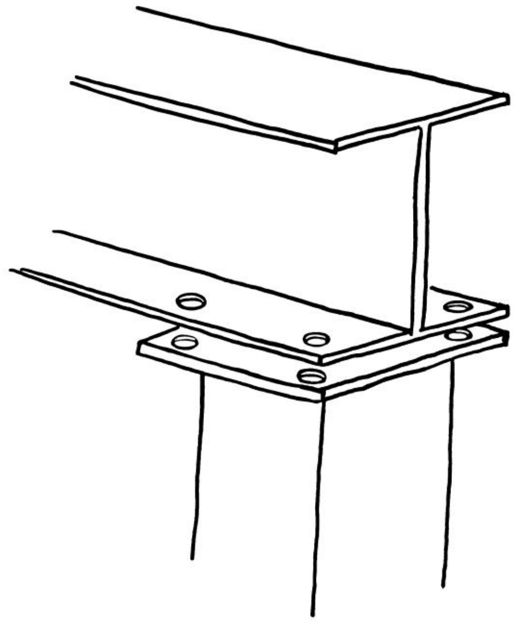
FRONT VIEW

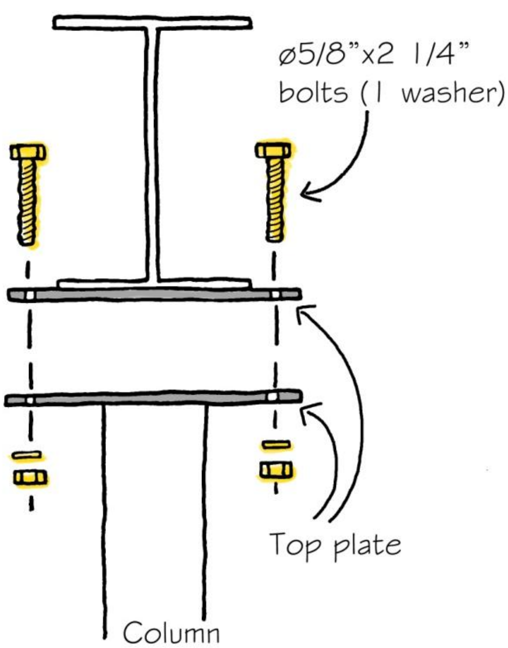


I-BEAM TO COLUMN CONNECTION (MOUNTED TO COLUMN TOP PLATE)

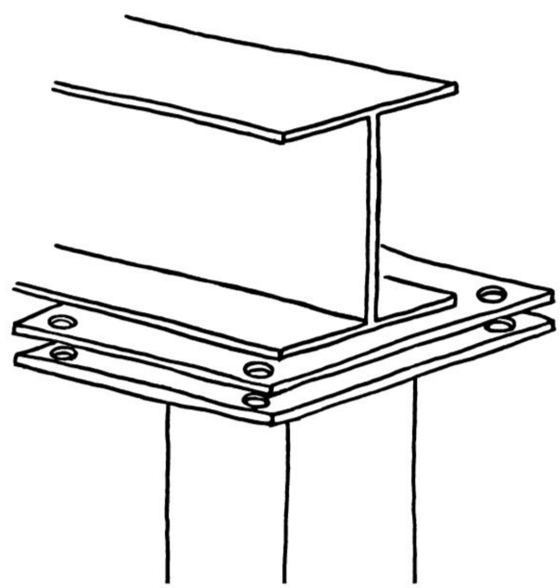


SIDE VIEW





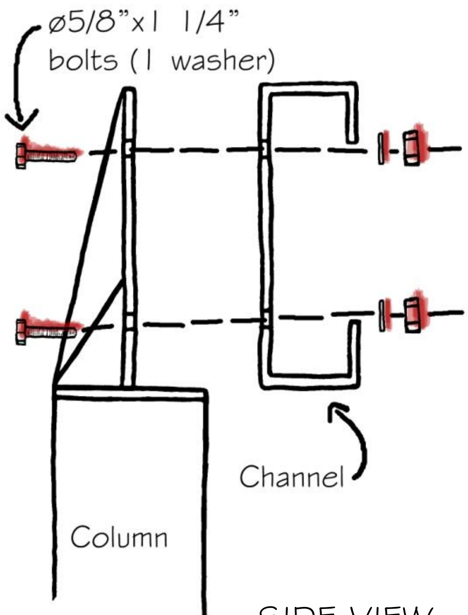
SIDE VIEW



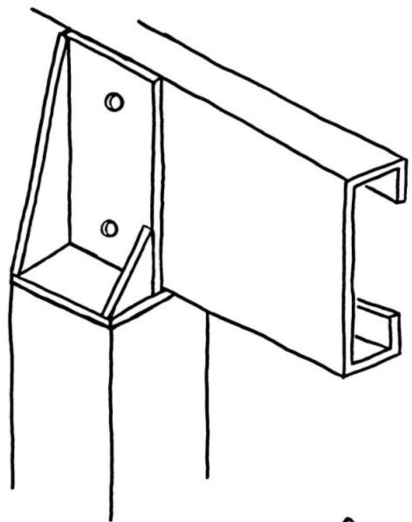
STEP 3

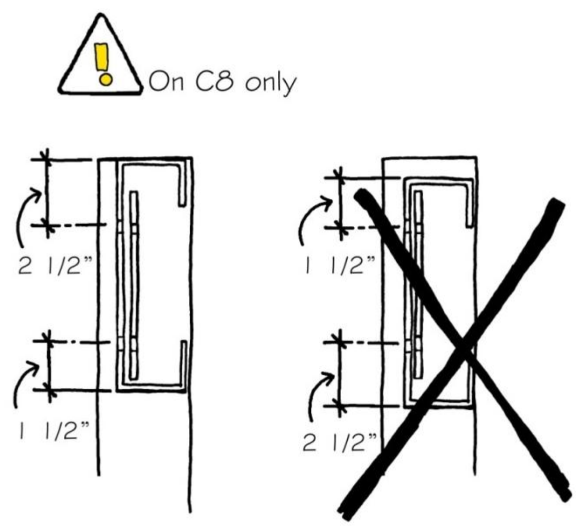
JOIST TO BEAM CONNECTION (CANTILEVER SINGLE CHANNEL ASSEMBLY)

C8 - C10 - C12

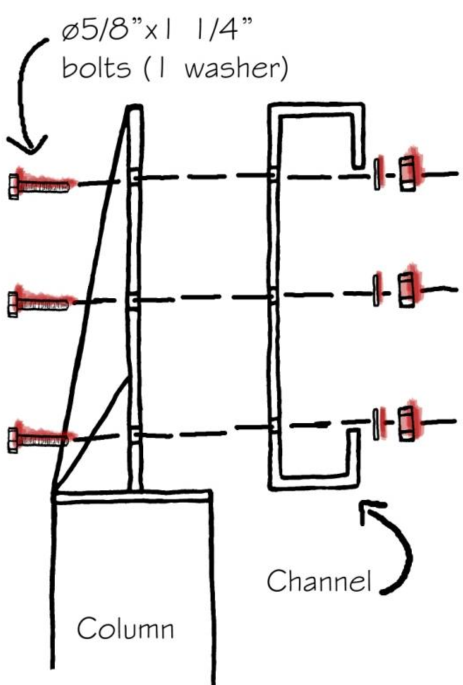


SIDE VIEW

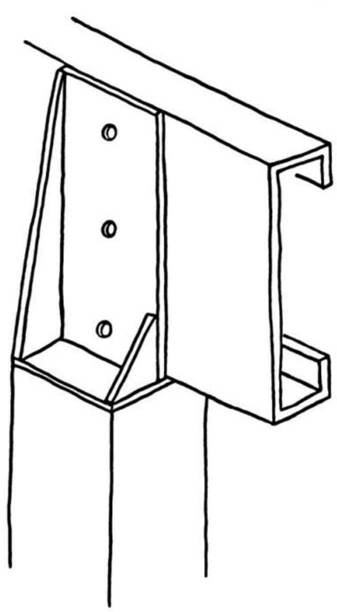




C14 - C16

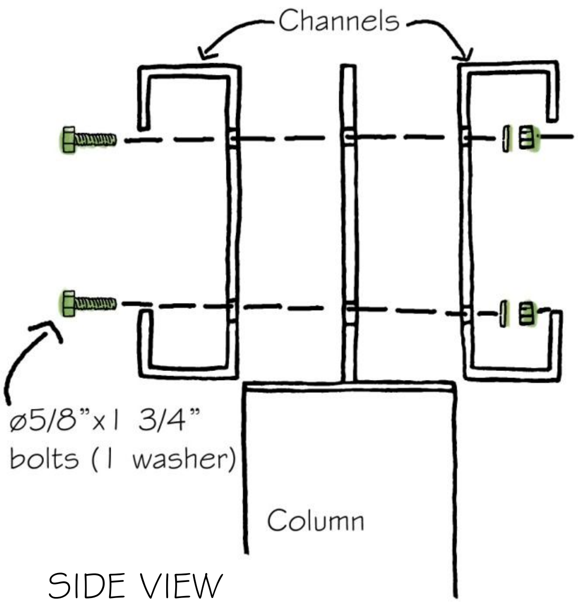


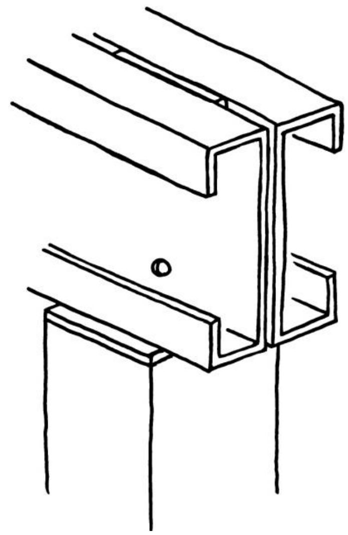
SIDE VIEW

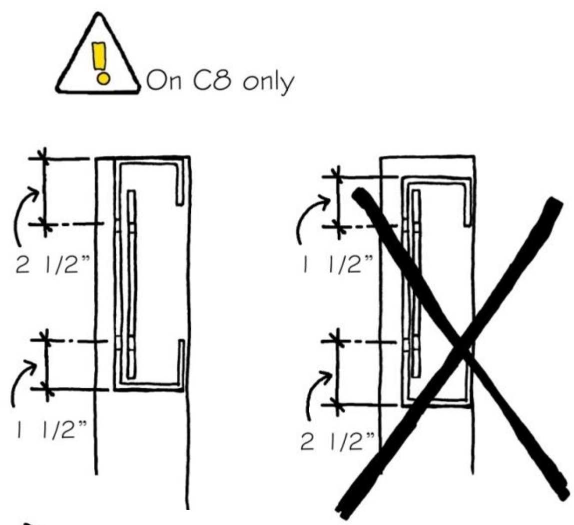


JOIST TO BEAM CONNECTION (CANTILEVER BACK TO BACK CHANNEL ASSEMBLY)

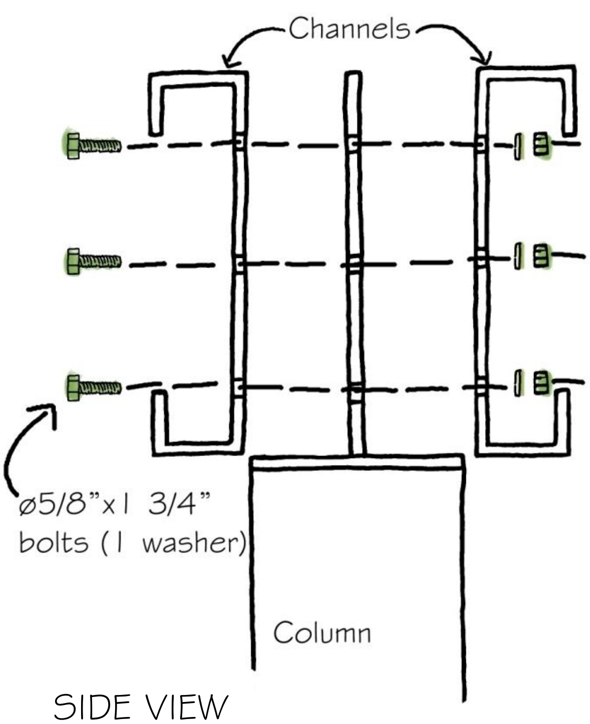
C8 - C10 - C12

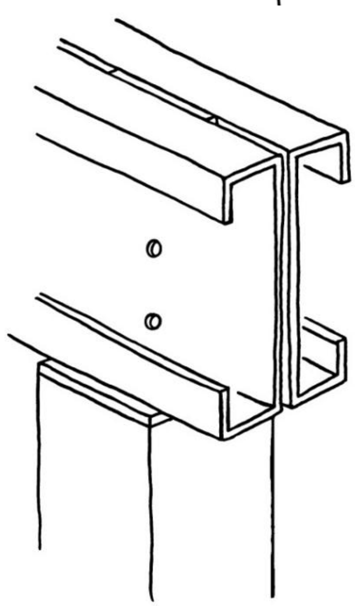






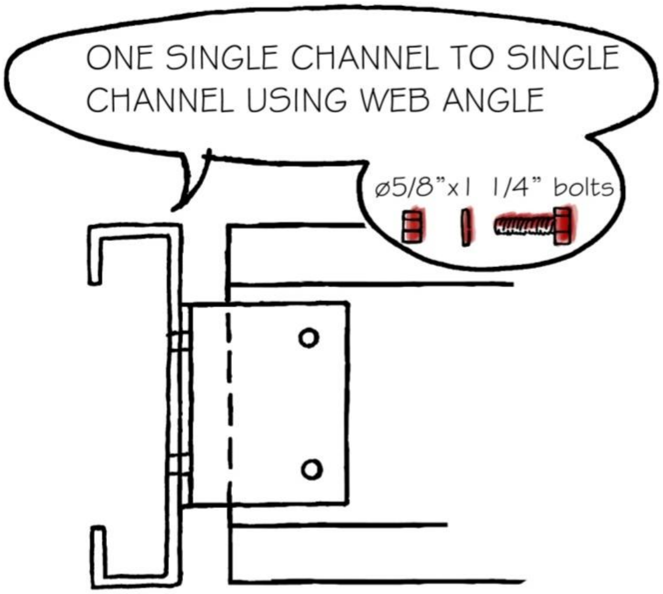
C14 - C16

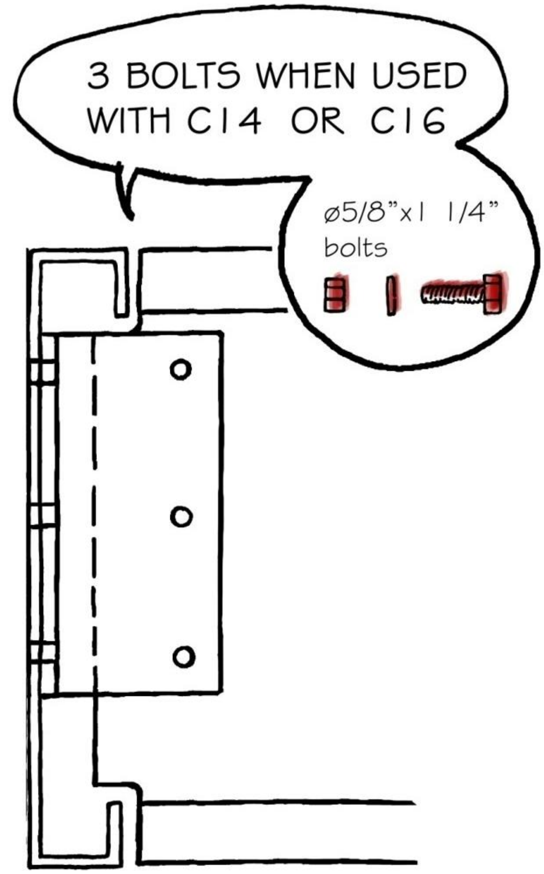


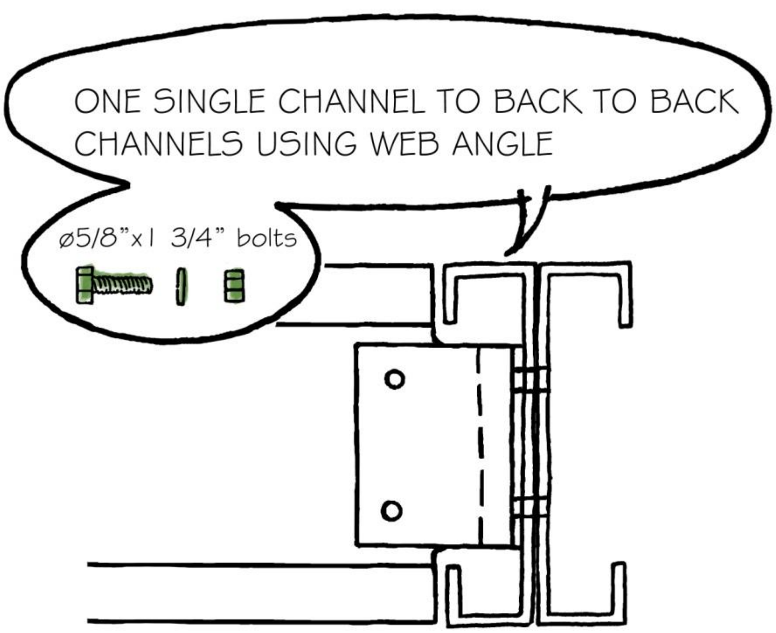


JOIST TO BEAM CONNECTION (CHANNEL TO CHANNEL USING WEB ANGLE)

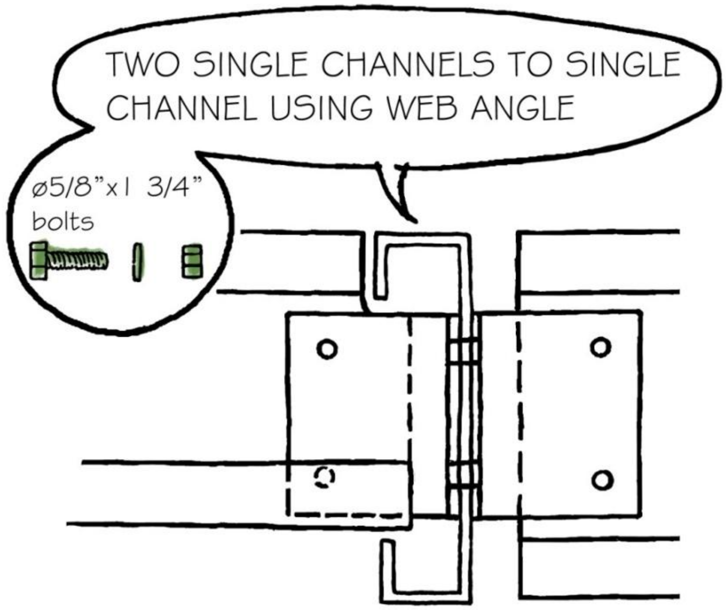
C8 - C10 - C12

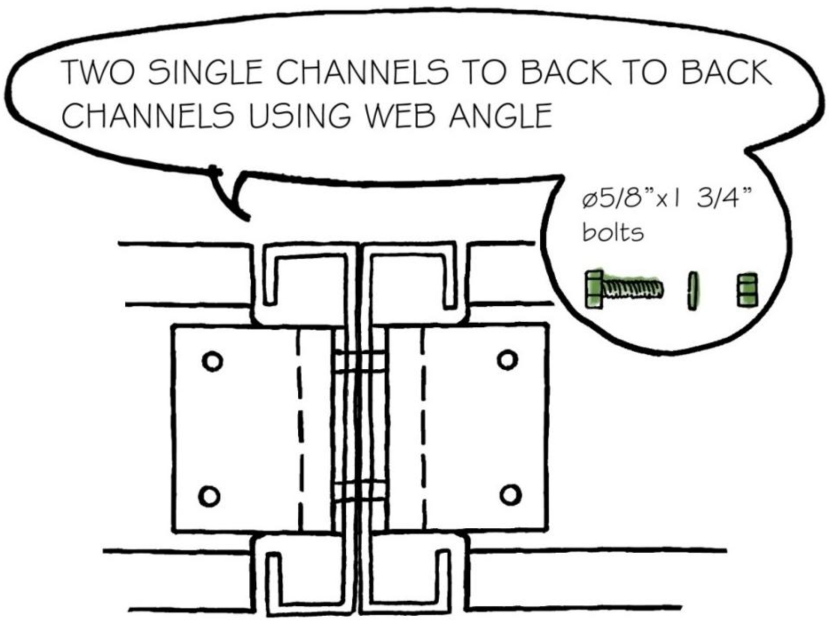


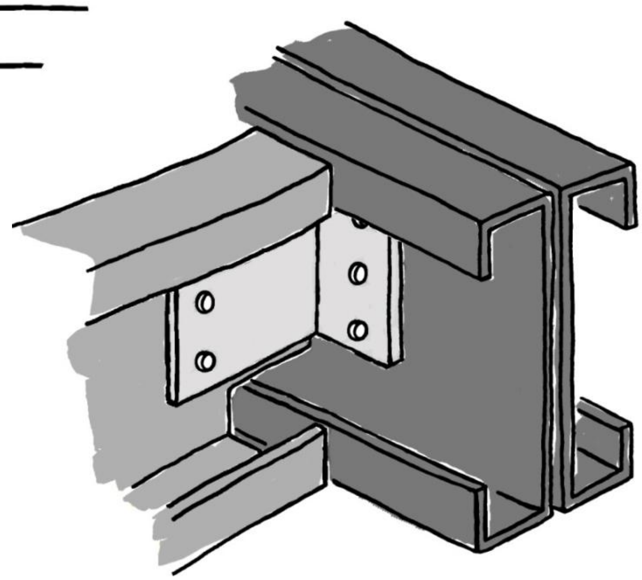




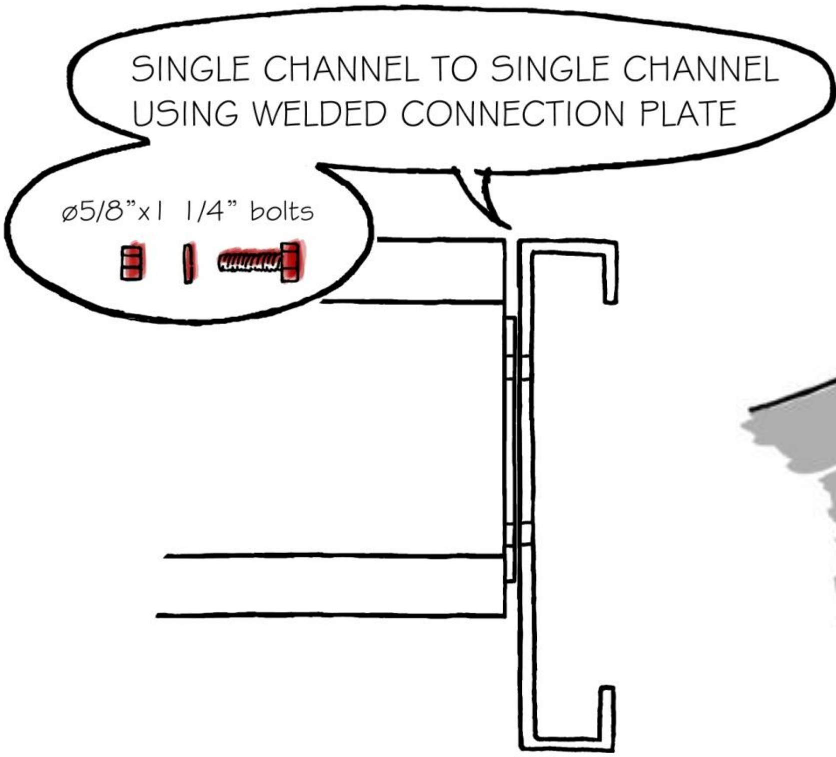
JOIST TO BEAM CONNECTION (CHANNEL TO CHANNEL USING WEB ANGLE)

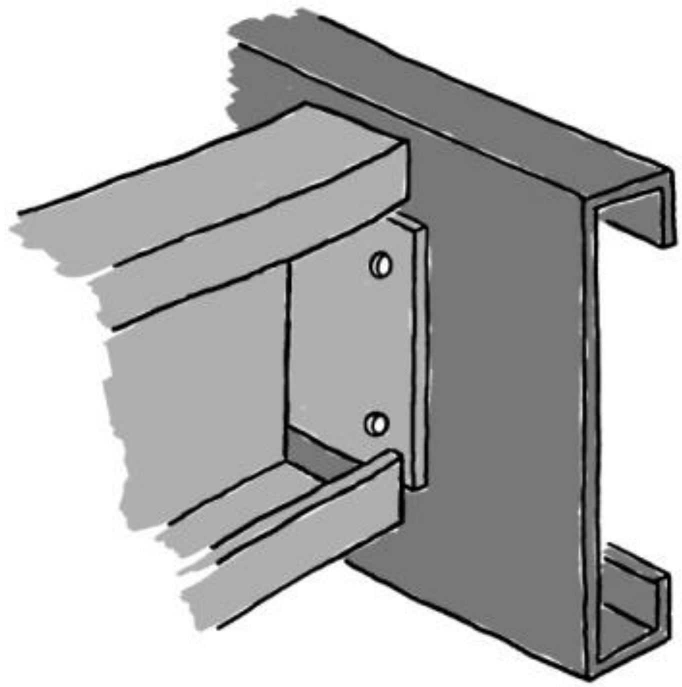


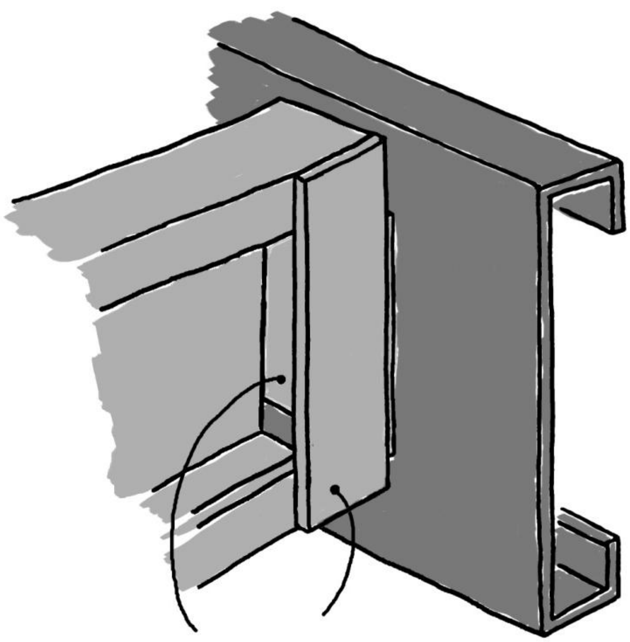




JOIST TO BEAM CONNECTION (CHANNEL TO CHANNEL USING WELDED CONNECTION PLATE)

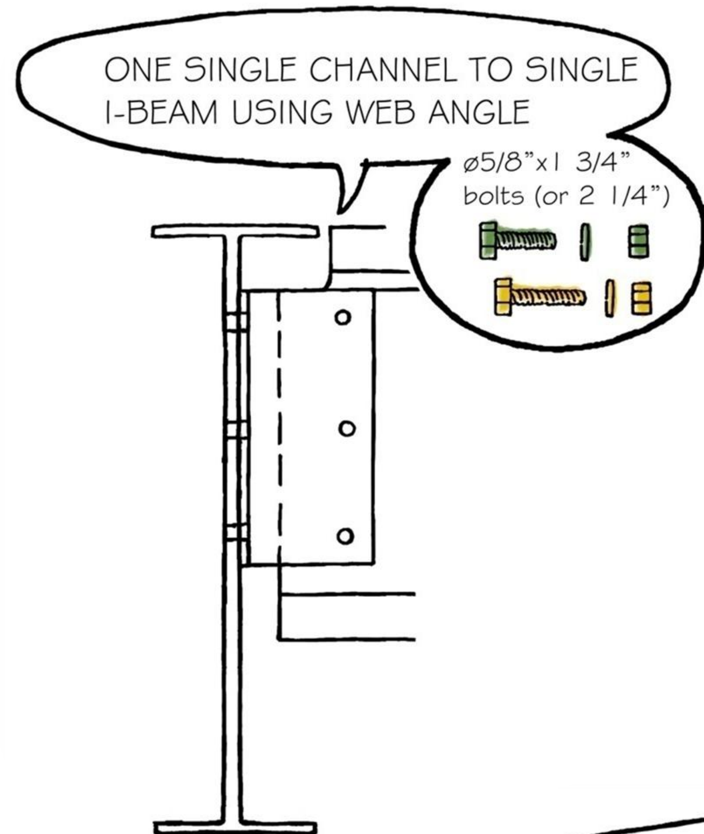


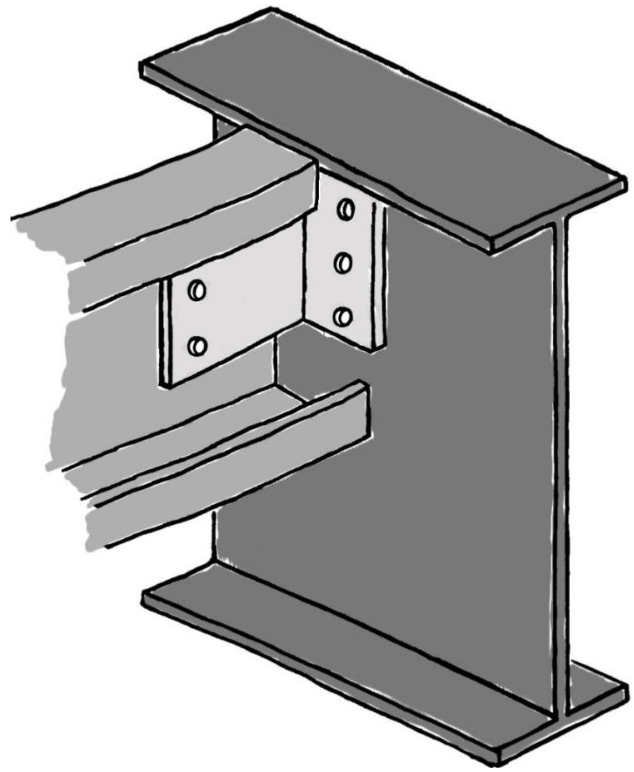


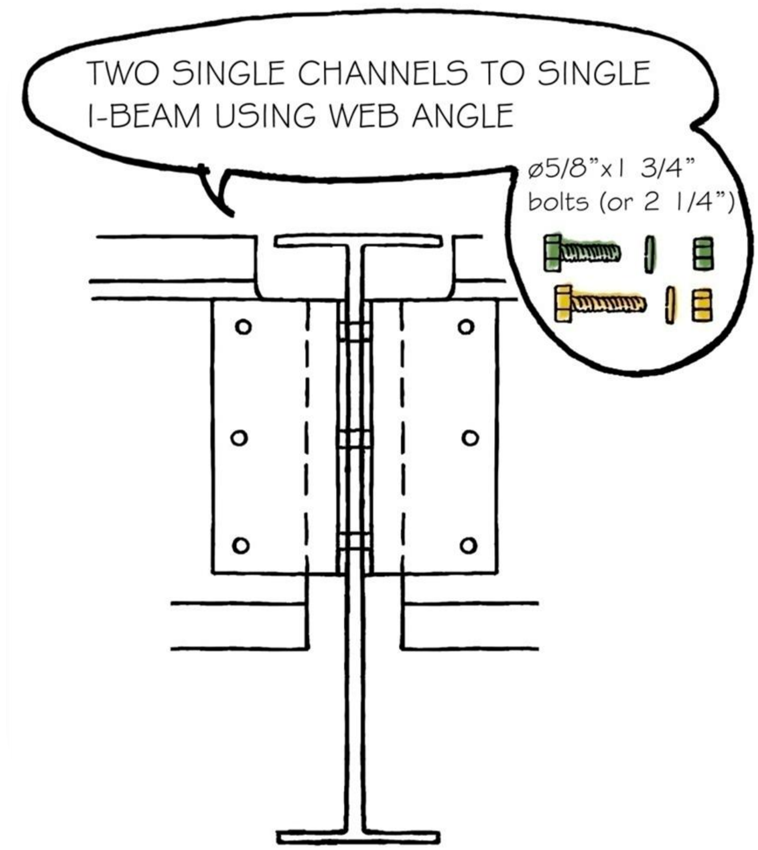


OPTION WITH WELDED CONNECTION PLATE AND STIFFENER

JOIST TO BEAM CONNECTION (CHANNEL TO I-BEAM USING WEB ANGLE)

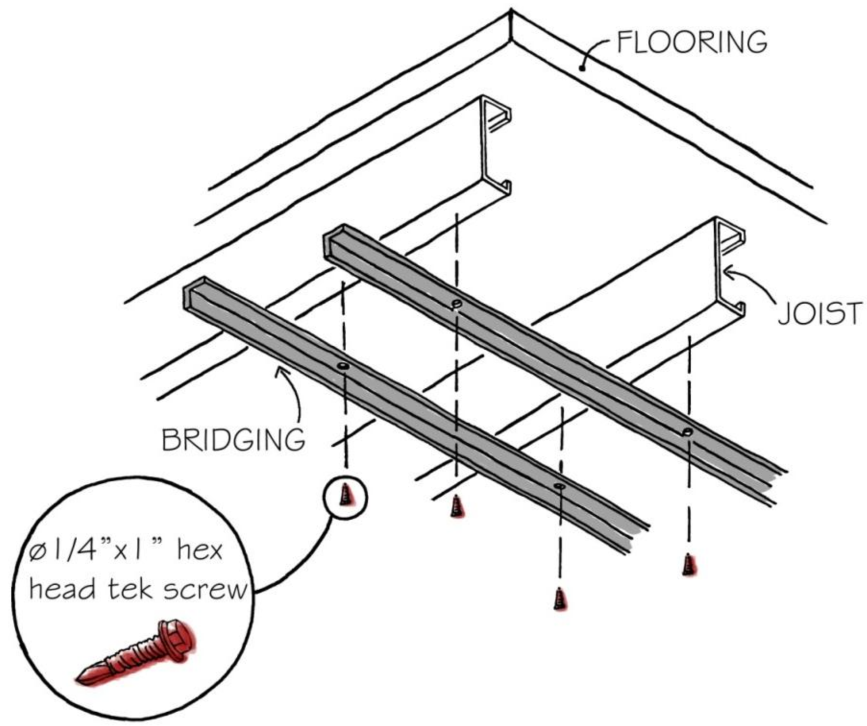


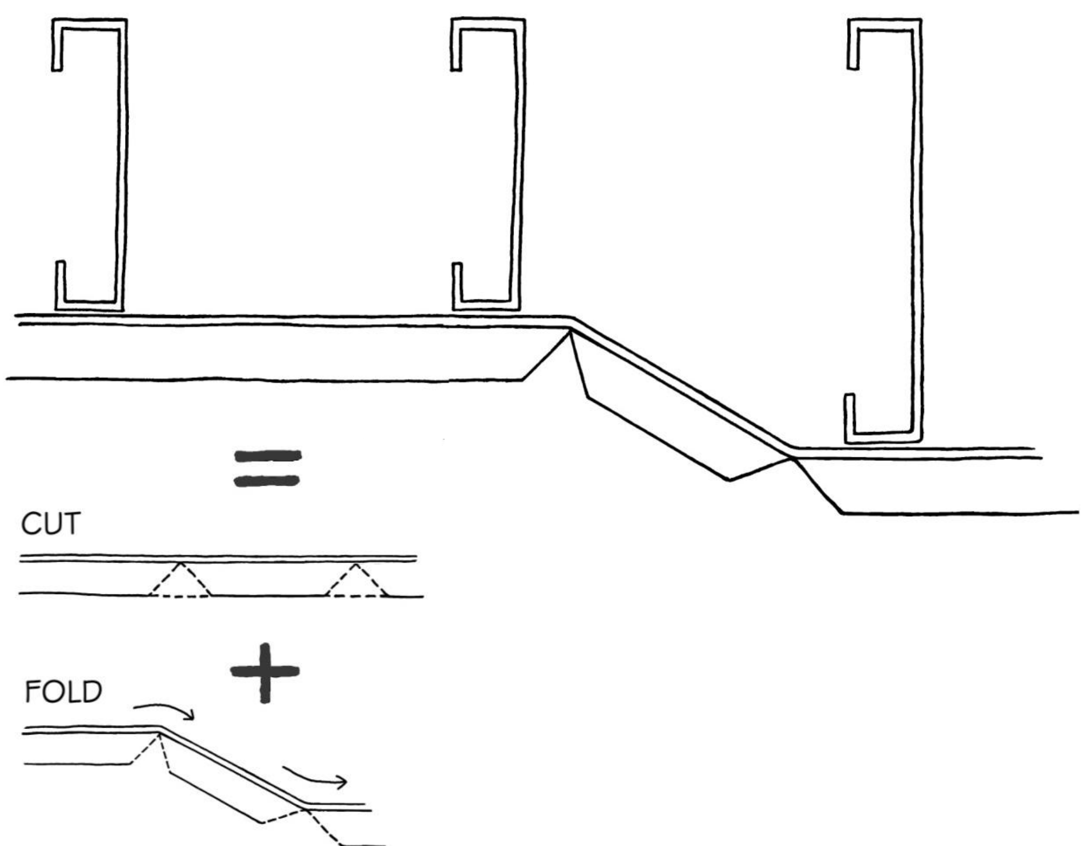




BRIDGING

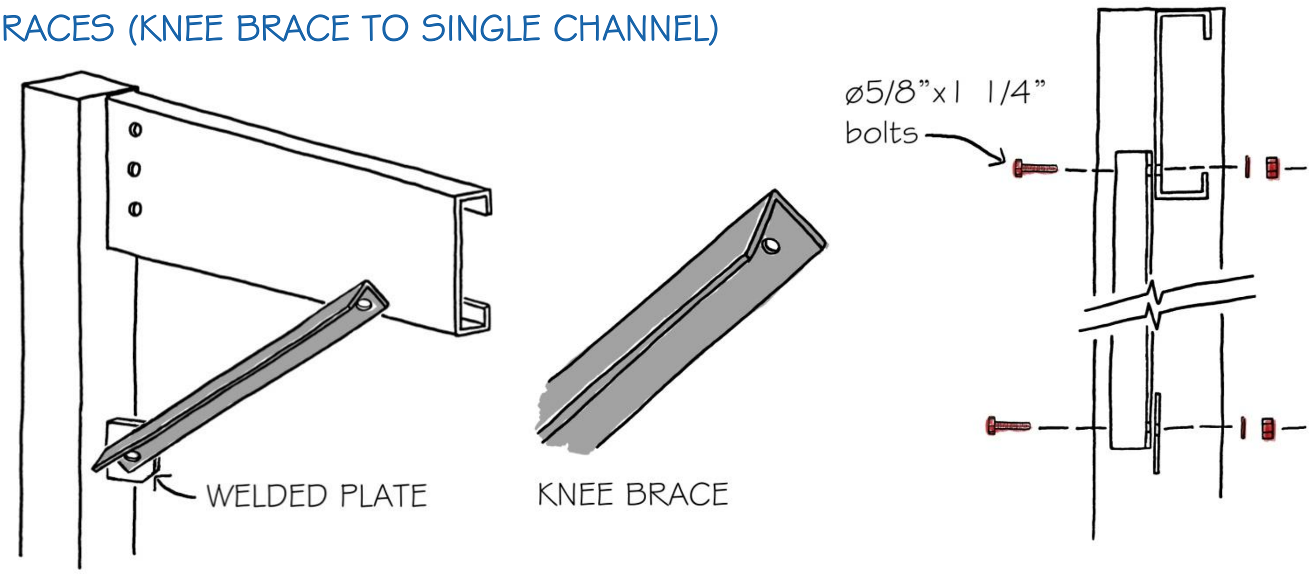
⚠ ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN



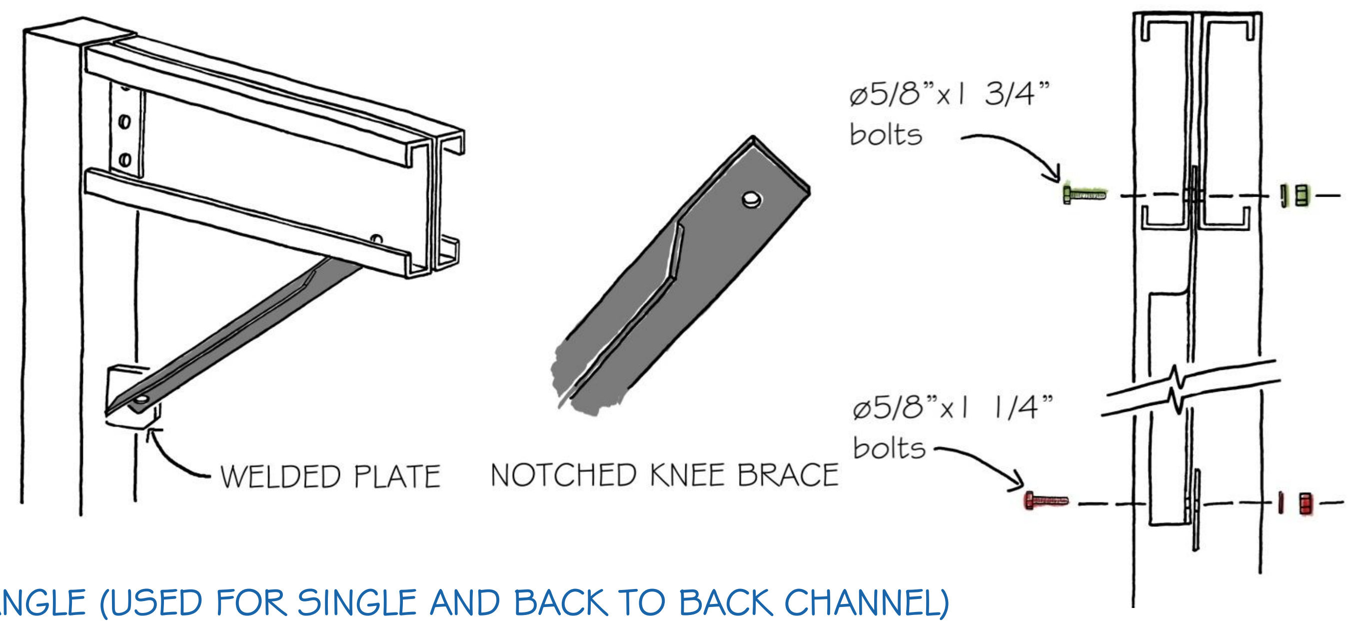


STEP 4

BRACES (KNEE BRACE TO SINGLE CHANNEL)



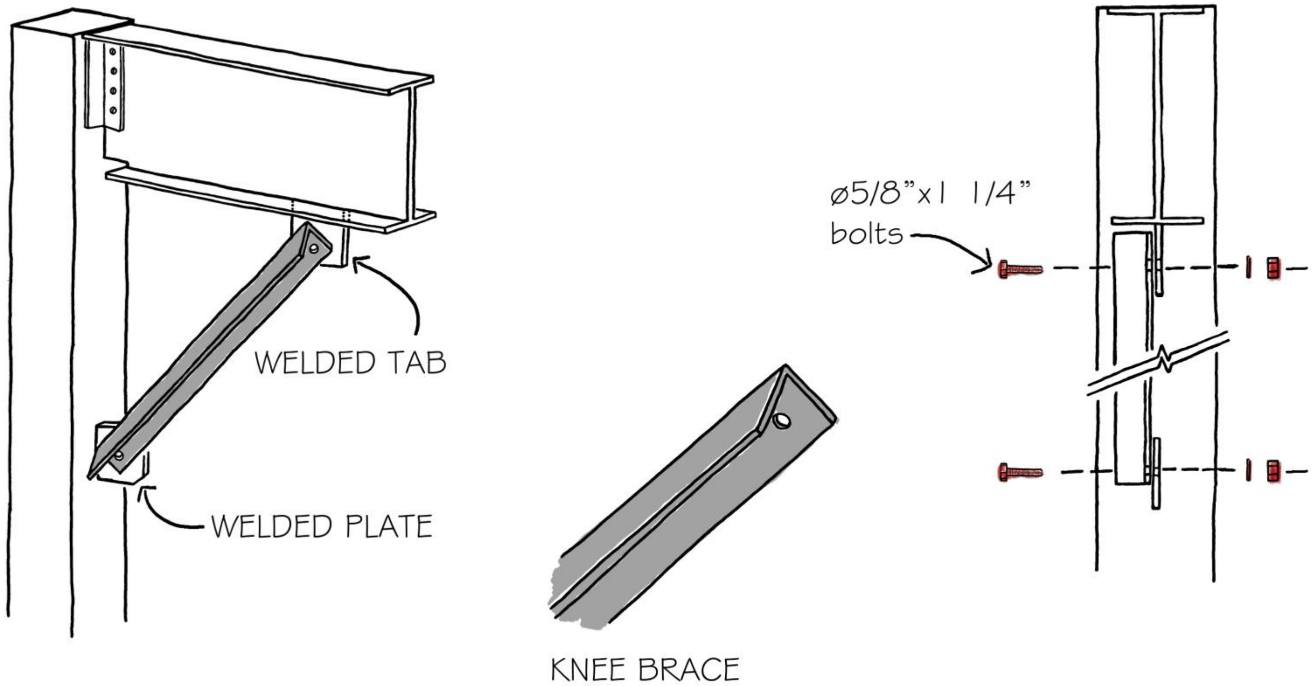
BRACES (KNEE BRACE TO BACK TO BACK CHANNEL)



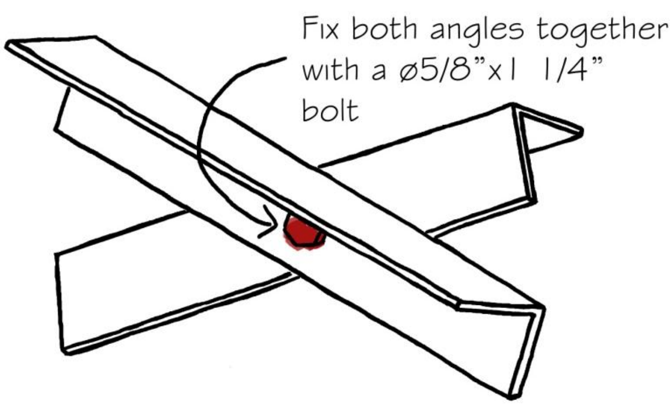
ANGLE (USED FOR SINGLE AND BACK TO BACK CHANNEL)

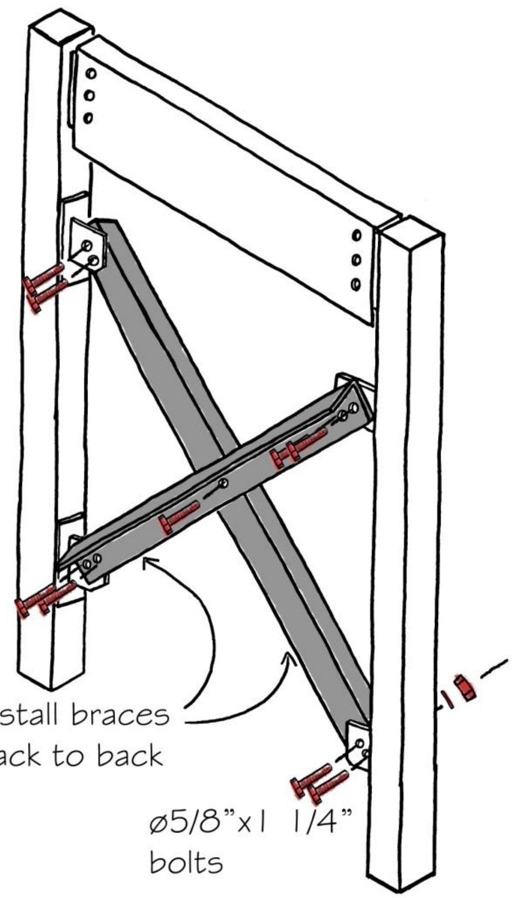


BRACES (KNEE BRACE TO I-BEAM)

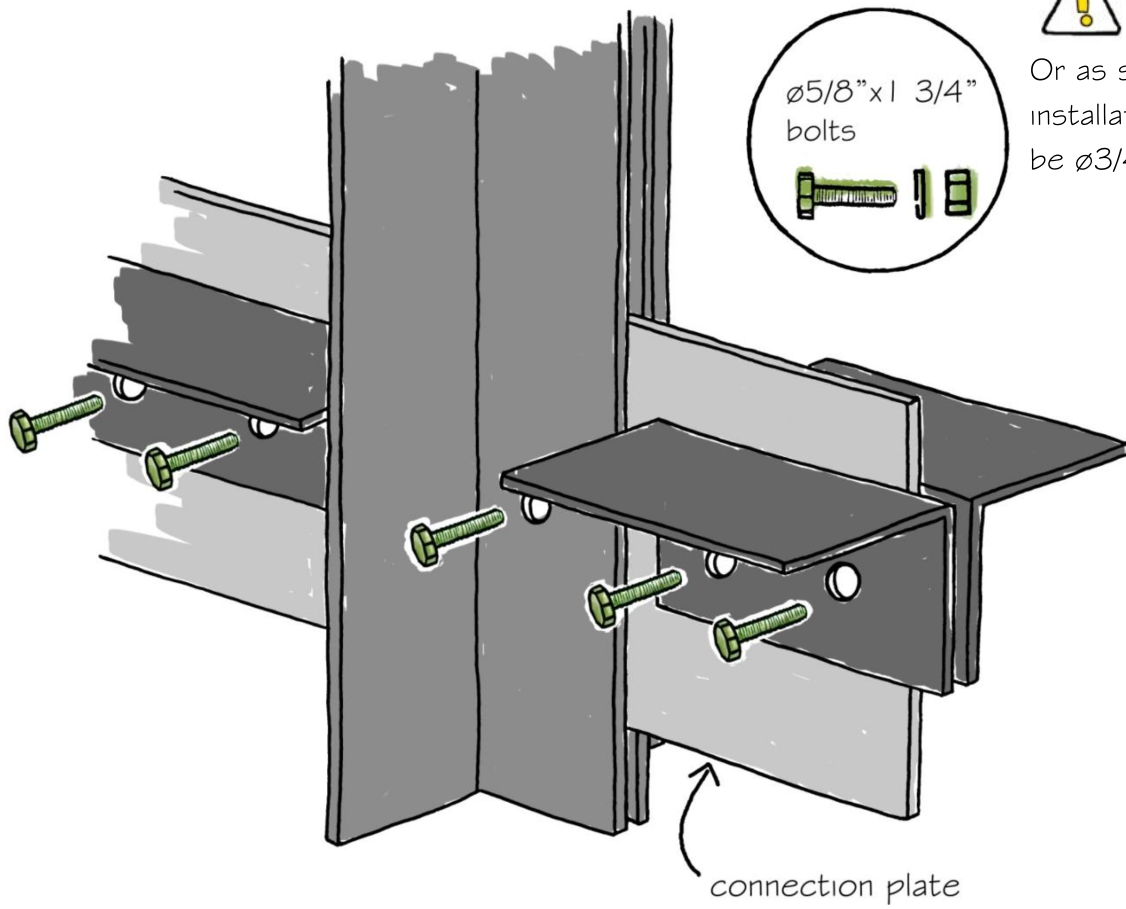


BRACES (CROSS BRACE)

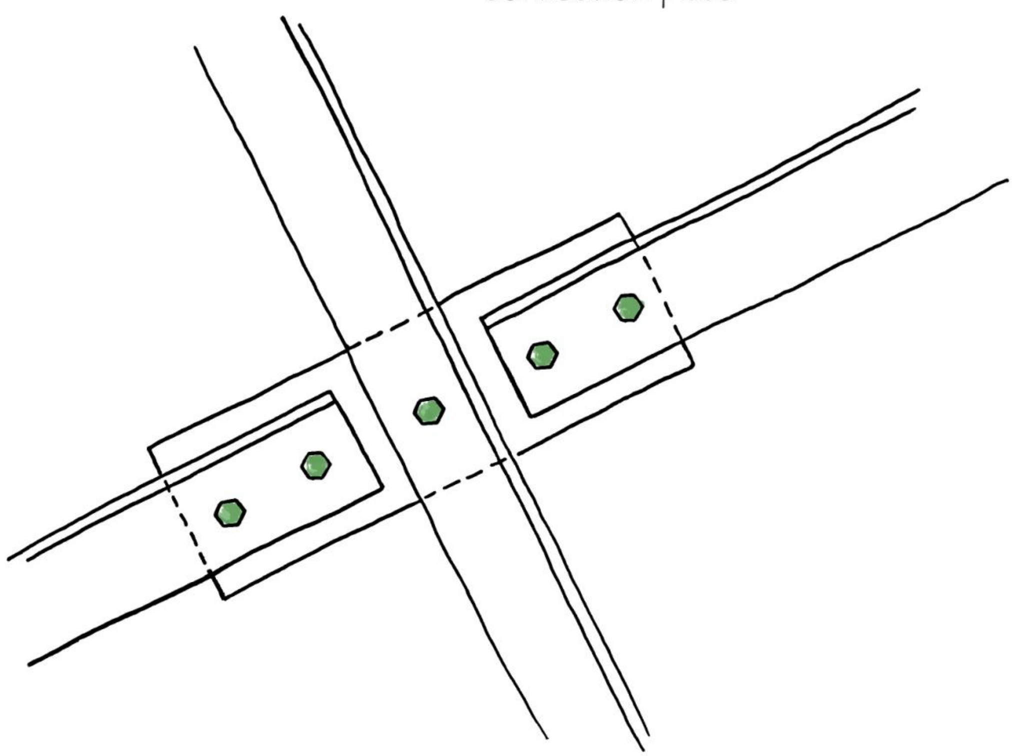




BRACES (DOUBLE CROSS BRACE)

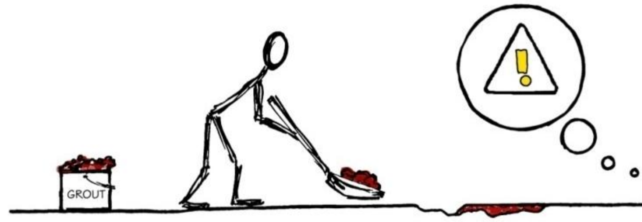


⚠ Or as specified on your installation drawings (could be ø3/4”X1 3/4” bolts)

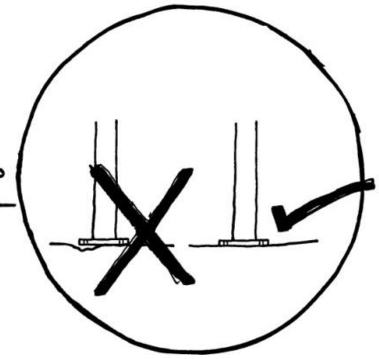


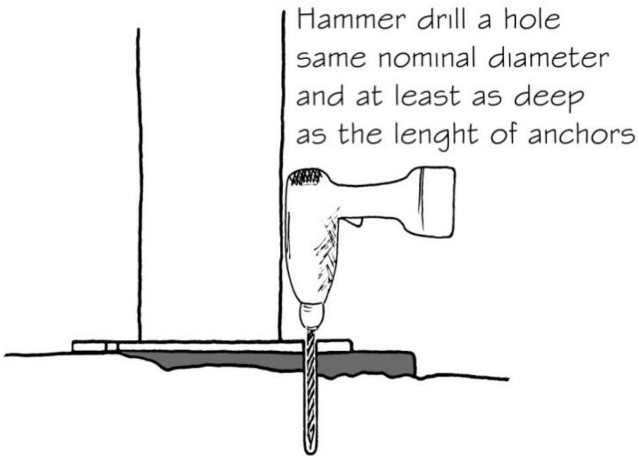
STEP 5

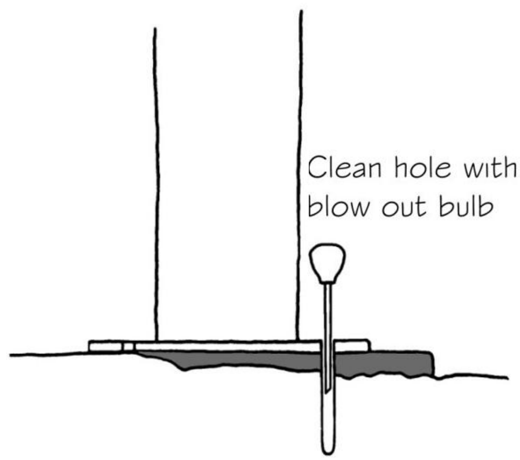
ANCHORING



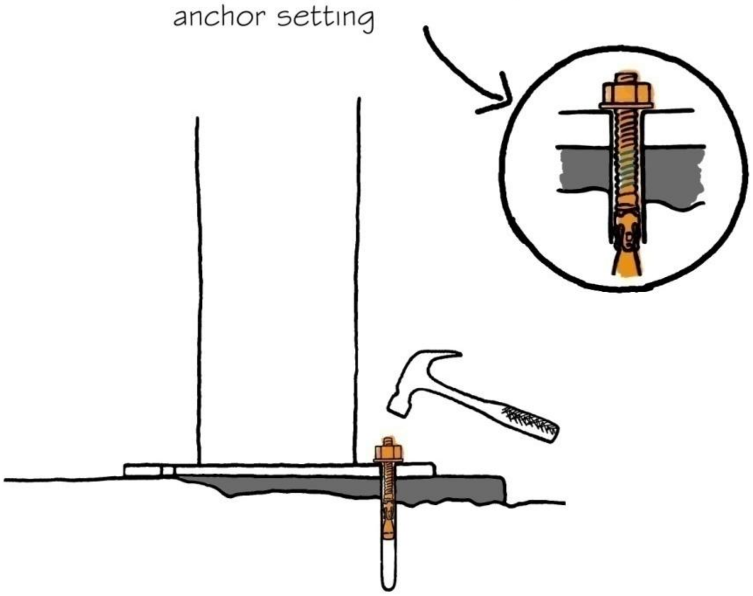
If needed, fill with grout under baseplates







Drive the hilti bolt in the hole so that at least **6 threads** are below the top surface of fixture. Then thighten to the recommended torque value to achieve proper anchor setting



ø5/8"x6" min bolts (anchors) are used for baseplates

